

1093
12

UNITED STATES DEPARTMENT OF COMMERCE

JESSE H. JONES, Secretary

BUREAU OF THE CENSUS

J. C. CAPT, Director (Appointed May 22, 1941)

WILLIAM LANE AUSTIN, Director (Retired January 31, 1941)

VERGIL D. REED, Assistant Director

HOWARD H. McCLURE, Assistant Director



SIXTEENTH CENSUS OF THE UNITED STATES : 1940

MANUFACTURES

1939

Volume III

**Reports for States and
Outlying Areas**

Prepared under the supervision of

THOMAS J. FITZGERALD

Chief Statistician for Manufactures

*Bureau of the Census
Library*

UNITED STATES

GOVERNMENT PRINTING OFFICE

WASHINGTON : 1942

BUREAU OF THE CENSUS

J. C. CAPT, *Director (Appointed May 22, 1941)*

WILLIAM LANE AUSTIN, *Director (Retired January 31, 1941)*

VERGIL D. REED, *Assistant Director*

HOWARD H. MCCLEURE, *Assistant Director*

Manufactures—THOMAS J. FITZGERALD, *Chief Statistician.*

JOHN F. DALY, *Assistant Chief Statistician.*

Technical Assistant—MARY T. MARSH.

Final Results—MARIAN B. NEVIUS.

Economic Analyst—ALFRED CAHEN.

Chemicals, Petroleum, Rubber, Stone, Clay, Glass—JOHN A. BURROUGHS.

Printing, Leather, Miscellaneous—WILLIAM G. COPLEY.

Food, Tobacco—WALTER S. GILCHRIST.

Textiles, Apparel—PATRICK J. MURRAY.

Lumber, Furniture, Paper—AUGUST H. O. ROLLE.

Metals, Machinery, Transportation Equipment—FRANK W. SEBRING.

Administrative Service—ARTHUR J. HIRSCH, *Chief.*

Agriculture—ZELLMER R. PETTET, *Chief Statistician.*

Business—FRED A. GOSNELL, *Chief Statistician.*

Cotton and Oils—RAY HURLEY, *Chief Statistician.*

Field Service—GERALD RYAN, *Chief.*

Geography—CLARENCE E. BATSCHELET, *Geographer.*

Information and Publications—FRANK R. WILSON, *Chief.*

Machine Tabulation—GEORGE B. WETZEL, *Chief.*

Mineral Industries—OSCAR E. KIESSLING, *Chief Statistician.*

Population—LEON E. TRUESDELL, *Chief Statistician.*

State and Local Government—CHESTER E. RIGHTOR, *Chief Statistician.*

Statistical Research—CALVERT L. DEDRICK, *Chief Statistician.*

Vital Statistics—HALBERT L. DUNN, *Chief Statistician.*

LETTER OF TRANSMITTAL

DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
Washington, D. C., December 10, 1942.

SIR: I transmit herewith volume III of the report of the Census of Manufactures for 1939. This census, which was taken in 1940 as a part of the Sixteenth Decennial Census, is also the tenth of the biennial series of the censuses of manufactures.

The manufactures reports for 1939 comprise three volumes. Volume I is a general report giving statistics on special subjects such as size of establishments, type of organization, inventories, and expenditures for plant and equipment.

Volume II, consisting of two parts, contains the detailed reports for the 446 industries covered by the census. Part I is an assembly of the reports for the industries in Groups 1 to 10 and part 2 for the industries in Groups 11 to 20. The report for Motion Pictures (not including projection in theaters) is included in part 2.

Volume III is an assembly of detailed reports for the 48 States, the District of Columbia, Alaska, Hawaii, and Puerto Rico.

The volumes contain a general summary which includes statistics for all industries and States.

Preliminary statistics for the individual industries and for States were issued during 1940 and 1941, and later complete and detailed statistics were published in pamphlet form.

The statistics were compiled and published under the supervision of Thomas J. Fitzgerald, Chief Statistician for Manufactures, and John F. Daly, Assistant Chief Statistician, assisted by the staff of the Division whose names appear in the front of this volume. The statistics for Alaska, Hawaii, and Puerto Rico were compiled under the supervision of LeVerne Beales, who was then the Chief Statistician of the Division of Territorial, Insular, and Foreign Statistics.

Respectfully,

J. C. CAPT,
Director of the Census.

HON. JESSE H. JONES,
Secretary of Commerce.

REPORTS ON MANUFACTURES
SIXTEENTH DECENNIAL CENSUS : 1940
MANUFACTURES : 1939

Volume **I.** General Report—Statistics by Subjects
Volume **II.** Part 1, Reports by Industries—Groups 1 to 10
Volume **II.** Part 2, Reports by Industries—Groups 11 to 20
Volume **III.** States and Outlying Areas

CONTENTS

GENERAL EXPLANATIONS

Area and period covered.....	1
The canvass.....	1
Establishments covered—type.....	1
Establishments covered—minimum size limit.....	2
Definition of establishment.....	2
Classification of industries.....	2
Industry groups.....	2
Classification of establishments.....	2
Changes in the scope of the Census of Manufactures between 1929 and 1939.....	3
The questionnaires.....	3
Persons engaged—general classification.....	3
Wage earners and wages.....	4
Cost of materials, etc.....	4
Contract work.....	4
Value of products.....	5
Duplication in cost of materials and value of products.....	5
Value added by manufacture.....	5
Profits and production costs.....	5
Price changes.....	6
Inventory.....	6
Expenditures for plant and equipment.....	6
Power equipment.....	6
Fuel and electric energy used.....	6

GENERAL EXPLANATIONS—Continued

Disclosure of data for individual establishments.....	7
Industrial areas.....	7
Changes in figures for earlier years.....	7
Changes in industry groups, industry classifications, and titles: 1939.....	7

GENERAL SUMMARY

Introduction.....	17
Manufacturing production as measured by physical volume.....	18
TABLE 1.—Combined summary for continental United States, Alaska, Hawaii, and Puerto Rico: 1939.....	19
TABLE 2.—Summary for all manufacturing industries, for continental United States: 1849 to 1939.....	19
TABLE 3.—Indexes for population, wage earners, and production: 1899 to 1939.....	20
TABLE 4.—Combined general statistics for all manufacturing industries, for continental United States: 1899 to 1939.....	20
TABLE 5.—General statistics in detail, by industry groups and by industries: 1939.....	22
TABLE 6.—General statistics in detail, by geographic divisions and by States: 1939.....	44

ALABAMA

MAP—Density of wage-earner employment, by counties: 1939.....	49
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	50
TABLE 2.—Summary for counties and places: 1939.....	50
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	52
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	52
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	52
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	53
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	53
TABLE 8.—General statistics for the State, by industries: 1939.....	54
TABLE 9.—General statistics for Birmingham, by industries: 1939.....	58
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	59
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Birmingham, 1939.....	60

ARIZONA

MAP—Density of wage-earner employment, by counties: 1939.....	62
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	63
TABLE 2.—Summary for counties and places: 1939.....	63
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	64
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	64
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	61
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	65
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	65
TABLE 8.—General statistics for the State, by industries: 1939.....	66

ARIZONA—Continued

TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	68
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	68

ARKANSAS

MAP—Density of wage-earner employment, by counties: 1939.....	69
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	70
TABLE 2.—Summary for counties and places: 1939.....	70
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	72
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	72
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	72
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	73
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	73
TABLE 8.—General statistics for the State, by industries: 1939.....	74
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	76
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	77

CALIFORNIA

MAP—Density of wage-earner employment, by counties: 1939.....	79
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	80
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	80
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	82
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	82
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	83
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	83

CENSUS OF MANUFACTURES: 1939

CALIFORNIA—Continued

	Page
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	83
TABLE 8.—General statistics for the State, by industries: 1939.....	84
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	91
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	108
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	119
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Los Angeles and San Francisco-Oakland industrial areas, and for Long Beach, Los Angeles, Oakland, Sacramento, San Diego, and San Francisco: 1939.....	120

COLORADO

MAP—Density of wage-earner employment, by counties: 1939.....	129
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	130
TABLE 2.—Summary for counties and places: 1939.....	130
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	132
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	132
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	132
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	133
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	133
TABLE 8.—General statistics for the State, by industries: 1939.....	134
TABLE 9.—General statistics for Denver, by industries: 1939.....	138
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	140
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Denver: 1939.....	141

CONNECTICUT

MAP—Density of wage-earner employment, by counties: 1939.....	143
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	145
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	145
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	146
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	146
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	146
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	147
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	147
TABLE 8.—General statistics for the State, by industries: 1939.....	148
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	156
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	161
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	167
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Bridgeport-New Haven-Waterbury and Hartford industrial areas, and for Bridgeport, Hartford, and New Haven: 1939.....	168

DELAWARE

MAP—Density of wage-earner employment, by counties: 1939.....	175
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	176
TABLE 2.—Summary for counties and for Wilmington: 1939.....	176
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	176
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	176
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	177
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	177
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	177
TABLE 8.—General statistics for the State, by industries: 1939.....	178
TABLE 9.—General statistics for Wilmington, by industries: 1939.....	180
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	180
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Wilmington: 1939.....	181

DISTRICT OF COLUMBIA

(Coextensive with the city of Washington)

	Page
TABLE 1.—Summary: 1939, 1937, and 1929.....	184
TABLE 2.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	184
TABLE 3.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	184
TABLE 4.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	185
TABLE 5.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	185
TABLE 6.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	185
TABLE 7.—General statistics, by industries: 1939.....	186
TABLE 8.—Number of establishments, by industry groups: 1939.....	188
TABLE 9.—Industries in "Other industries" groups—Number of establishments and number of wage earners: 1939.....	188

FLORIDA

MAP—Density of wage-earner employment, by counties: 1939.....	189
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	190
TABLE 2.—Summary for counties and places: 1939.....	190
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	191
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	192
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	192
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	192
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	193
TABLE 8.—General statistics for the State, by industries: 1939.....	194
TABLE 9.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	198
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	201
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Jacksonville, Miami, and Tampa: 1939.....	202

GEORGIA

MAP—Density of wage-earner employment, by counties: 1939.....	205
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	206
TABLE 2.—Summary for counties and places: 1939.....	206
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	209
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	209
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	210
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	210
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	211
TABLE 8.—General statistics for the State, by industries: 1939.....	212
TABLE 9.—General statistics for Atlanta, by industries: 1939.....	216
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	218
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Atlanta: 1939.....	220

IDAHO

MAP—Density of wage-earner employment, by counties: 1939.....	223
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	224
TABLE 2.—Summary for counties and places: 1939.....	224
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	226
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	226
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	226
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	227
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	227
TABLE 8.—General statistics for the State, by industries: 1939.....	228
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	230
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	230

CONTENTS

VII

ILLINOIS

	Page
MAP—Density of wage-earner employment, by counties: 1939.....	231
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	232
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	232
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	234
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	235
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	235
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	235
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	235
TABLE 8.—General statistics for the State, by industries: 1939.....	236
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	246
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	264
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	270
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Chicago and St. Louis industrial areas, and for the cities of Chicago and Peoria: 1939.....	272

INDIANA

MAP—Density of wage-earner employment, by counties: 1939.....	277
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	278
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	278
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	280
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	280
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	280
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	281
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	281
TABLE 8.—General statistics for the State, by industries: 1939.....	282
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	290
TABLE 10.—General statistics for Evansville, Indianapolis, and South Bend, by industries, and personnel statistics for Fort Wayne and Gary: 1939.....	301
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	308
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Chicago and Indianapolis industrial areas, and for Evansville, Indianapolis, and South Bend: 1939.....	309
TABLE 13.—Industries by industry groups—Number of establishments and number of wage earners for Fort Wayne and Gary, Indiana: 1939.....	315

IOWA

MAP—Density of wage-earner employment, by counties: 1939.....	317
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	318
TABLE 2.—Summary for counties and places: 1939.....	318
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	320
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	320
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	320
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	321
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	321
TABLE 8.—General statistics for the State, by industries: 1939.....	322
TABLE 9.—General statistics for Des Moines, by industries: 1939.....	326
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	327
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Des Moines: 1939.....	328

KANSAS

MAP—Density of wage-earner employment, by counties: 1939.....	331
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	332
TABLE 2.—Summary for the Kansas City Industrial Area, counties, and places: 1939.....	332
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	334
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	324

KANSAS—Continued

	Page
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	335
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	335
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	335
TABLE 8.—General statistics for the State, by industries: 1939.....	336
TABLE 9.—General statistics for the Kansas City Industrial Area, by industries: 1939.....	340
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	344
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	345
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Kansas City Industrial Area, and for Kansas City and Wichita: 1939.....	347

KENTUCKY

MAP—Density of wage-earner employment, by counties: 1939.....	351
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	352
TABLE 2.—Summary for the Cincinnati Industrial Area, counties, and places: 1939.....	352
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	354
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	354
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	355
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	355
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	355
TABLE 8.—General statistics for the State, by industries: 1939.....	350
TABLE 9.—General statistics for the Cincinnati Industrial Area, by industries: 1939.....	360
TABLE 10.—General statistics for Louisville, by industries: 1939.....	360
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	367
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Cincinnati Industrial Area, and for Louisville: 1939.....	369

LOUISIANA

MAP—Density of wage-earner employment, by parishes: 1939.....	373
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	374
TABLE 2.—Summary for parishes and places: 1939.....	374
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	376
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	376
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	376
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	377
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	377
TABLE 8.—General statistics for the State, by industries: 1939.....	378
TABLE 9.—General statistics for New Orleans, by industries: 1939.....	382
TABLE 10.—Number of establishments, by industry groups, by parishes: 1939.....	384
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for New Orleans: 1939.....	385

MAINE

MAP—Density of wage-earner employment, by counties: 1939.....	387
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	388
TABLE 2.—Summary for counties and places: 1939.....	388
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	389
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	390
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	390
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	390
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	391
TABLE 8.—General statistics for the State, by industries: 1939.....	392
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	396
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	396

MARYLAND

	Page
MAP—Density of wage-earner employment, by counties: 1939.....	397
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	398
TABLE 2.—Summary for Baltimore Industrial Area, counties, and places: 1939.....	398
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	399
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	399
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	400
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	400
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	401
TABLE 8.—General statistics for the State, by industries: 1939.....	402
TABLE 9.—General statistics for Baltimore Industrial Area by industries: 1939.....	408
TABLE 10.—General statistics for Baltimore city, by industries: 1939.....	412
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	414
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, the Baltimore Industrial Area, and Baltimore city: 1939.....	415

MASSACHUSETTS

MAP—Density of wage-earner employment, by counties: 1939.....	419
TABLE 1.—Summary for the State: 1939, 1937, 1929.....	420
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	420
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	422
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	422
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	422
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	422
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	423
TABLE 8.—General statistics for the State, by industries: 1939.....	424
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	434
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	452
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	463
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Boston, Providence-Fall River-New Bedford, Springfield-Holyoke, and Worcester industrial areas, and for Boston, Cambridge, Fall River, Lowell, Lynn, New Bedford, Somerville, Springfield, and Worcester: 1939.....	463

MICHIGAN

MAP—Density of wage-earner employment, by counties: 1939.....	477
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	478
TABLE 2.—Summary for Detroit Industrial Area, counties, and places: 1939.....	478
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	480
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	480
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	480
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	480
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	481
TABLE 8.—General statistics for the State, by industries: 1939.....	481
TABLE 9.—General statistics for the Detroit Industrial Area, by industries: 1939.....	482
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, except Flint, by industries: 1939.....	490
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	496
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Detroit Industrial Area, and for Detroit and Grand Rapids: 1939.....	500
TABLE 13.—Industries by industry groups—Number of establishments and number of wage earners for the city of Flint: 1939.....	501

MINNESOTA

	Page
MAP—Density of wage-earner employment, by counties: 1939.....	507
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	508
TABLE 2.—Summary for Minneapolis-St. Paul Industrial Area, counties, and places: 1939.....	508
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	510
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	510
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	510
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	511
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	511
TABLE 8.—General statistics for the State, by industries: 1939.....	512
TABLE 9.—General statistics for the Minneapolis-St. Paul Industrial Area, by industries: 1939.....	518
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	522
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	526
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Minneapolis-St. Paul Industrial Area, and for Duluth, Minneapolis, and St. Paul: 1939.....	527

MISSISSIPPI

MAP—Density of wage-earner employment, by counties: 1939.....	533
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	534
TABLE 2.—Summary for counties and places: 1939.....	534
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	536
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	536
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	536
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	537
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	537
TABLE 8.—General statistics for the State, by industries: 1939.....	538
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	540
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	541

MISSOURI

MAP—Density of wage-earner employment, by counties: 1939.....	543
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	544
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	544
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	546
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	546
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	547
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	547
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	547
TABLE 8.—General statistics for the State, by industries: 1939.....	548
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	556
TABLE 10.—General statistics for St. Louis city, by industries, and personnel statistics for Kansas City: 1939.....	565
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	569
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Kansas City and St. Louis Industrial Areas, and for St. Louis: 1939.....	570
TABLE 13.—Industries by industry groups—Number of establishments and number of wage earners, for Kansas City: 1939.....	575

MONTANA

MAP—Density of wage-earner employment, by counties: 1939.....	577
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	578
TABLE 2.—Summary for counties and places: 1939.....	578

CONTENTS

IX

MONTANA—Continued

	Page
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	579
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	580
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	580
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	580
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	581
TABLE 8.—General statistics for the State, by industries: 1939.....	582
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	584
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	585

NEBRASKA

MAP—Density of wage-earner employment, by counties: 1939.....	587
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	588
TABLE 2.—Summary for counties and places: 1939.....	588
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	590
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	590
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	590
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	591
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	591
TABLE 8.—General statistics for the State, by industries: 1939.....	592
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	593
TABLE 10.—Industries in "Other industries" groups for the State and for all industries for the city of Omaha—Number of establishments and number of wage earners: 1939.....	597

NEVADA

MAP—Density of wage-earner employment, by counties: 1939.....	599
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	600
TABLE 2.—Summary for counties and places: 1939.....	600
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	600
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	601
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	601
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	601
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	601
TABLE 8.—General statistics for the State, by industries: 1939.....	602
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	604
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	604

NEW HAMPSHIRE

MAP—Density of wage-earner employment, by counties: 1939.....	605
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	606
TABLE 2.—Summary for counties and places: 1939.....	606
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	607
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	607
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	608
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	608
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	609
TABLE 8.—General statistics for the State, by industries: 1939.....	610
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	612
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	614

475614—42—2

NEW JERSEY

	Page
MAP—Density of wage-earner employment, by counties: 1939.....	615
TABLE 1.—Summary for the State: 1919, 1937, and 1929.....	616
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	616
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	618
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	618
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	618
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	619
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	619
TABLE 8.—General statistics for the State, by industries: 1939.....	620
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	630
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	650
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	650
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the New York City-Newark-Jersey City and Philadelphia-Camden industrial areas, and for Camden, Elizabeth, Jersey City, Newark, Paterson, and Trenton: 1939.....	660

NEW MEXICO

MAP—Density of wage-earner employment, by counties: 1939.....	660
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	670
TABLE 2.—Summary for counties and places: 1939.....	670
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	671
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	671
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	672
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	672
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	673
TABLE 8.—General statistics for the State, by industries: 1939.....	674
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	676
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	678

NEW YORK

MAP—Density of wage-earner employment, by counties: 1939.....	677
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	678
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	678
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	680
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	680
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	681
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	681
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	681
TABLE 8.—General statistics for the State, by industries: 1939.....	682
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	694
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	716
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	730
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Albany-Schenectady-Troy, Buffalo, New York City-Newark-Jersey City, and Rochester industrial areas, and for Albany, Buffalo, New York City, Rochester, Syracuse, Utica, and Yonkers: 1939.....	731

NORTH CAROLINA

MAP—Density of wage-earner employment, by counties: 1939.....	743
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	744
TABLE 2.—Summary for counties and places: 1939.....	744
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	746
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	746

CENSUS OF MANUFACTURES: 1939

NORTH CAROLINA—Continued

	Page
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	746
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	747
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	747
TABLE 8.—General statistics for the State, by industries: 1939.....	748
TABLE 9.—General statistics for Charlotte, by industries: 1939.....	752
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	752
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Charlotte: 1939.....	754

NORTH DAKOTA

MAP—Density of wage-earner employment, by counties: 1939.....	757
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	758
TABLE 2.—Summary for counties and places: 1939.....	758
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	760
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	760
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	760
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	761
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	761
TABLE 8.—General statistics for the State, by industries: 1939.....	762
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	764
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	764

OHIO

MAP—Density of wage-earner employment, by counties: 1939.....	765
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	766
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	766
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	768
TABLE 4.—Wage earners engaged in manufacturing by months: 1939, 1937, and 1929.....	769
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	769
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	769
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central administrative office or independent operation: 1939 and 1929.....	769
TABLE 8.—General statistics for the State, by industries: 1939.....	770
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	780
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries, and personnel statistics for Dayton: 1939.....	802
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	813
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Akron, Cincinnati, Cleveland, Dayton, Toledo, Wheeling, and Youngstown industrial areas, and for Akron, Canton, Cincinnati, Cleveland, Columbus, Toledo, and Youngstown: 1939.....	814
TABLE 13.—All industries by industry groups—Number of establishments and number of wage earners, for Dayton: 1939.....	828

OKLAHOMA

MAP—Density of wage-earner employment, by counties: 1939.....	829
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	830
TABLE 2.—Summary for counties and places: 1939.....	830
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	832
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	832
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	832
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	833
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	833
TABLE 8.—General statistics for the State, by industries: 1939.....	834
TABLE 9.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	838
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	840
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, and for Oklahoma City and Tulsa: 1939.....	841

OREGON

	Page
MAP—Density of wage-earner employment, by counties: 1939.....	843
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	844
TABLE 2.—Summary for counties and places: 1939.....	844
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	845
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	845
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	846
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	846
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	847
TABLE 8.—General statistics for the State, by industries: 1939.....	848
TABLE 9.—General statistics for Portland, by industries: 1939.....	852
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	854
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Portland: 1939.....	854

PENNSYLVANIA

MAP—Density of wage-earner employment, by counties: 1939.....	857
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	858
TABLE 2.—Summary for industrial areas, counties, and places: 1939.....	858
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	861
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	861
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	862
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	862
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	863
TABLE 8.—General statistics for the State, by industries: 1939.....	864
TABLE 9.—General statistics for industrial areas, by industries: 1939.....	876
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries, and personnel statistics for Erie: 1939.....	900
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	908
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Allentown-Bethlehem, Philadelphia-Camden, Pittsburgh, Reading, Scranton-Wilkes-Barre, and Youngstown industrial areas, and for Philadelphia, Pittsburgh, Reading, and Scranton: 1939.....	909
TABLE 13.—Number of establishments and number of wage earners, by industries, for the city of Erie: 1939.....	920

RHODE ISLAND

MAP—Density of wage-earner employment, by counties: 1939.....	921
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	922
TABLE 2.—Summary for the Providence-Fall River-New Bedford industrial area, counties, and places: 1939.....	922
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	922
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	923
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	923
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	923
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	923
TABLE 8.—General statistics for the State, by industries: 1939.....	924
TABLE 9.—General statistics for the Providence-Fall River-New Bedford industrial area, by industries: 1939.....	923
TABLE 10.—General statistics for Providence, by industries: 1939.....	934
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	935
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Providence-Fall River-New Bedford industrial area, and for Providence: 1939.....	936

SOUTH CAROLINA

MAP—Density of wage-earner employment, by counties: 1939.....	941
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	942
TABLE 2.—Summary for counties and places: 1939.....	942
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	943
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	944

CONTENTS

xi

SOUTH CAROLINA—Continued

	Page
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	944
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	944
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	945
TABLE 8.—General statistics for the State, by industries: 1939.....	946
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	950
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	951

SOUTH DAKOTA

MAP—Density of wage-earner employment, by counties: 1939.....	953
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	954
TABLE 2.—Summary for counties and places: 1939.....	954
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	956
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	956
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	956
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	956
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	957
TABLE 8.—General statistics for the State, by industries: 1939.....	958
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	960
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	961

TENNESSEE

MAP—Density of wage-earner employment, by counties: 1939.....	963
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	964
TABLE 2.—Summary for counties and places: 1939.....	964
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	966
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	966
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	966
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	967
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	967
TABLE 8.—General statistics for the State, by industries: 1939.....	968
TABLE 9.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	972
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	976
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Chattanooga, Knoxville, Memphis, and Nashville: 1939.....	977

TEXAS

MAP—Density of wage-earner employment, by counties: 1939.....	981
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	982
TABLE 2.—Summary for counties and places: 1939.....	982
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	986
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	986
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	986
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	987
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	987
TABLE 8.—General statistics for the State, by industries: 1939.....	988
TABLE 9.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	994
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	1000
TABLE 11.—Number of establishments and number of wage earners in the industries in "Other industries" groups for the State and the cities of Dallas, Fort Worth, Houston, and San Antonio, and in all industries for the city of El Paso: 1939.....	1003

UTAH

MAP—Density of wage-earner employment, by counties: 1939.....	1009
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1010
TABLE 2.—Summary for counties and places: 1939.....	1010
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1011

UTAH—Continued

	Page
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	1011
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1012
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	1012
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1013
TABLE 8.—General statistics for the State, by industries: 1939.....	1014
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	1016
TABLE 10.—Industries in "Other industries" groups for the State and all industries for Salt Lake City—Number of establishments and number of wage earners: 1939.....	1016

VERMONT

MAP—Density of wage-earner employment, by counties: 1939.....	1019
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1020
TABLE 2.—Summary for counties and places: 1939.....	1020
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1021
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	1021
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1022
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	1022
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1023
TABLE 8.—General statistics for the State, by industries: 1939.....	1024
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	1026
TABLE 10.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	1026

VIRGINIA

MAP—Density of wage-earner employment, by counties: 1939.....	1027
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1028
TABLE 2.—Summary for counties and places: 1939.....	1028
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1030
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	1030
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1030
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	1031
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1031
TABLE 8.—General statistics for the State, by industries: 1939.....	1032
TABLE 9.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	1036
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	1038
TABLE 11.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State and for Norfolk and Richmond: 1939.....	1040

WASHINGTON

MAP—Density of wage-earner employment, by counties: 1939.....	1043
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1044
TABLE 2.—Summary for the Seattle-Tacoma Industrial Area, counties, and places: 1939.....	1044
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1046
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	1046
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1046
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	1047
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1047
TABLE 8.—General statistics for the State, by industries: 1939.....	1048
TABLE 9.—General statistics for the Seattle-Tacoma Industrial Area, by industries: 1939.....	1054
TABLE 10.—General statistics for cities having 100,000 or more inhabitants, by industries: 1939.....	1053
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	1061
TABLE 12.—Industries in "Other industries" groups—Number of establishments and number of wage earners, for the State, for the Seattle-Tacoma Industrial Area, and for Seattle, Spokane, and Tacoma: 1939.....	1062

WEST VIRGINIA

	Page
MAP—Density of wage-earner employment, by counties: 1939.....	1067
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1068
TABLE 2.—Summary for the Wheeling Industrial Area, counties, and places: 1939.....	1068
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1070
TABLE 4.—Wage earners engaged in manufacturing by months: 1939, 1937, and 1929.....	1070
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1070
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	1071
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1071
TABLE 8.—General statistics for the State, by industries: 1939.....	1072
TABLE 9.—General statistics for the Wheeling Industrial Area, by industries: 1939.....	1076
TABLE 10.—Number of establishments, by industry groups, by counties: 1939.....	1078
TABLE 11.—Industries in "Other Industries" groups—Number of establishments and number of wage earners, for the State and for the Wheeling Industrial Area: 1939.....	1079

WISCONSIN

MAP—Density of wage-earner employment, by counties: 1939.....	1081
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1082
TABLE 2.—Summary for the Milwaukee Industrial Area, counties, and places: 1939.....	1082
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1084
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	1084
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1084
TABLE 6.—Summary for establishments classified as to size by value of products: 1939 and 1929.....	1085
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1085
TABLE 8.—General statistics for the State, by industries: 1939.....	1090
TABLE 9.—General statistics for the Milwaukee Industrial Area, by industries: 1939.....	1092
TABLE 10.—General Statistics for Milwaukee, by industries: 1939.....	1098
TABLE 11.—Number of establishments, by industry groups, by counties: 1939.....	1101
TABLE 12.—Industries in "Other Industries" groups—Number of establishments and number of wage earners, for the State, for the Milwaukee Industrial Area, and for Milwaukee: 1939.....	1103

WYOMING

MAP—Density of wage-earner employment, by counties: 1939.....	1107
TABLE 1.—Summary for the State: 1939, 1937, and 1929.....	1108
TABLE 2.—Summary for counties and places: 1939.....	1108
TABLE 3.—Persons employed in manufacturing establishments, by sex: 1939 and 1929.....	1109
TABLE 4.—Wage earners engaged in manufacturing, by months: 1939, 1937, and 1929.....	1110
TABLE 5.—Summary for establishments classified as to size by number of wage earners: 1939 and 1929.....	1110
TABLE 6.—Summary of establishments classified as to size and by value of products: 1939 and 1929.....	1110
TABLE 7.—Establishments classified as under corporate or other form of ownership (or control) and as under central-administrative-office or independent operation: 1939 and 1929.....	1111
TABLE 8.—General statistics for the State, by industries: 1939.....	1112
TABLE 9.—Number of establishments, by industry groups, by counties: 1939.....	1114
TABLE 10.—Industries in "Other Industries" groups—Number of establishments and number of wage earners, for the State: 1939.....	1114
INTRODUCTION.....	1117

OUTLYING AREAS

ALASKA

MAP OF ALASKA.....	1118
TABLE 1.—General statistics for Alaska: 1939, 1919, 1909, 1904 and 1899.....	1119
TABLE 2.—General statistics, by industries: 1939, 1919, 1909, and 1899.....	1119
TABLE 3.—Wage earners, by months, for all industries as a group, 1939, 1919, and 1909, and by industries, 1939.....	1120
TABLE 4.—General statistics for all industries as a group, by judicial divisions and for cities and towns: 1939.....	1120
TABLE 5.—Type of ownership or control—General statistics for establishments classified as under corporate or other form of ownership or control, by industries: 1939.....	1121
TABLE 6.—Size of establishments—General statistics, by value-of-products groups: 1939 and 1919.....	1122
TABLE 7.—Size of establishments—General statistics, by value-of-products groups, by industries: 1939.....	1122

ALASKA—Continued

	Page
TABLE 8.—Fish canning and processing—Products, by kind, quantity, and value: 1939 to 1939.....	1123
TABLE 9.—Lumber and timber products—Production of lumber, by kind and quantity, and of shingles, by quantity: 1899 to 1939.....	1123
TABLE 10.—Lumber and timber products—Production of lumber, 1936 to 1939, and stocks on hand at beginning and at end of each year.....	1123

HAWAII

MAP OF HAWAII.....	1124
TABLE 1.—General statistics for the Territory of Hawaii: 1939, 1919, 1909, and 1899.....	1125
TABLE 2.—General statistics, by industries: 1939, 1919, 1909, and 1899.....	1125
TABLE 3.—Wage earners, by months, for all industries as a group, 1939, 1919, and 1909, and by industries, 1939.....	1129
TABLE 4.—General statistics for counties, and by industries for Honolulu City: 1939.....	1130
TABLE 5.—Number of establishments, by industries, by counties and for Hilo, Honolulu, and Waialuku cities: 1939.....	1131
TABLE 6.—Relative importance of manufacturing industries ranked according to number of wage earners, cost of materials, value of products, and value added by manufacture: 1939.....	1132
TABLE 7.—Size of establishments—General statistics, by value-of-products groups: 1939.....	1132
TABLE 8.—Size of establishments—Number of establishments, by wage-earner groups, by industries: 1939.....	1133
TABLE 9.—Size of establishments—Number of establishments, by value-of-products groups, by industries: 1939.....	1133
TABLE 10.—Size of establishments—Number of establishments, by value-added-by-manufacture groups, by industries: 1939.....	1134
TABLE 11.—Type of ownership or control—Summary for establishments classified as under corporate or other form of ownership or control, by industries: 1939.....	1135
TABLE 12.—Number of establishments operated by individual proprietors and by partners, by race and citizenship of operator, by industries: 1939.....	1136
TABLE 13.—Products of manufacturing industries, by kind and value: 1939.....	1136
TABLE 14.—Inventory—Number of establishments reporting, value of inventories of finished products, and value of products, by industries: 1939.....	1137
TABLE 15.—Products, by kind and value, for Bakery Products Industry: 1939.....	1137
TABLE 16.—Products and receipts, by kind and value, for Printing, Publishing, and Allied Activities: 1939.....	1137
TABLE 17.—Production of canned pineapple and pineapple juice: 1939.....	1138
TABLE 18.—Inventory for the fruit canning and preserving industry and for its branches—beginning and end of year: 1939.....	1138
TABLE 19.—Production of cane sugar: 1939 to 1939.....	1138
TABLE 20.—Sugar cane crushed, inventory, and capacity of mills: 1939.....	1138

PUERTO RICO

MAP OF PUERTO RICO.....	1139
TABLE 1.—General statistics for Puerto Rico: 1939, 1919, and 1909.....	1140
TABLE 2.—General statistics, by industries: 1939, 1919, and 1909.....	1141
TABLE 3.—Wage earners, by months, for all industries as a group, 1939, 1919, and 1909, and by industries, 1939.....	1143
TABLE 4.—Relative importance of manufacturing industries ranked according to number of wage earners, cost of materials, value of products, and value added by manufacture: 1939.....	1144
TABLE 5.—Size of establishments—General statistics by value-of-products groups: 1939.....	1144
TABLE 6.—Size of establishments—Number of establishments, by wage-earner groups, by industries: 1939.....	1145
TABLE 7.—Size of establishments—Number of establishments, by value-of-products groups, by industries: 1939.....	1145
TABLE 8.—Size of establishments—Number of establishments, by value-added-by-manufacture groups, by industries: 1939.....	1146
TABLE 9.—Type of ownership or control—Summary for establishments classified as under corporate or other form of ownership or control, by industries: 1939.....	1146
TABLE 10.—Products of manufacturing industries, by kind and value: 1939.....	1147
TABLE 11.—Sugar cane crushed and capacity of mills, season of 1939-40.....	1148
TABLE 12.—Inventory of sugar mills, beginning and end of season of 1939-40.....	1148
TABLE 13.—Cane-sugar production: 1929-30 to 1939-40.....	1148
TABLE 14.—General statistics, by municipalities: 1939.....	1148
TABLE 15.—Number of establishments, by industries, by municipalities: 1939.....	1149
TABLE 16.—General statistics, by industries, for San Juan.....	1152

APPENDIXES

A.—Legal provisions for Biennial Census of Manufactures.....	1155
B.—General schedule.....	1156
C.—Alphabetical list of industries: 1939.....	1161
D.—List of industries, with descriptions, by groups: 1939.....	1166
E.—List of industry changes: 1927-39.....	1185